

ENTRANCE EXAM FOR MARITIME STUDIES 2006

TEXT 1

Sub-standard ships

A recent incident has highlighted problems with sub-standard ships. It has been revealed that a boxship which sank off the coast of Yemen following a huge fire had recently failed a port state control inspection. At the time of the incident the vessel was reportedly travelling from Korea to Rotterdam.

The fire on the vessel blazed in the aft accommodation and cargo area for at least six hours and plumes of black smoke were sent billowing into the sky 130 nautical miles off Aden. Explosions were still being heard from the ship the following day.

A Dutch navy frigate sent speedboats to take 27 crew from the vessel, and a helicopter removed one injured crewman. His condition on board the navy ship was reported to be stable. A ten mile exclusion zone was established around the boxship, which lost a number of containers overboard. A UK navy vessel was also in attendance and tugs were summoned to the scene shortly after the vessel had caught fire.

It was reported that the blaze had been caused by a technical fault. As recently as 2001 the boxship had been detained following a port state control inspection (PSC). The incident is now under investigation.

The incident highlights recent concerns over sub-standards ships and serves as a reminder that ship owners and operators need to be familiar with requirements on safety and pollution protection in order to prepare themselves for PSC which is becoming increasingly widespread at international level. A spokesman for the International Association of Classification Societies (IACS) said that it is in the interest of owners and managers to be fully prepared for these inspections. He added that IACS checklists identifying the top 50 most common causes of ship detention are now available.

The boxship in question was insured by Britannia Steamship for cargo losses and classed by DNV. Hull cover is likely to be with Hyundai Marine & Fire Insurance, but a great part of the risk will be reinsured out to London and other international markets. The container cargo of a ship of this size would typically be worth \$150m, indicating that the loss could outstrip damage to the hull.

Choose the correct alternative:

1. A boxship is also known as a
 - a) tanker
 - b) container ship
 - c) sailing yacht
 - d) very Large Crude Carrier

2. It has recently been revealed that the boxship
 - a) had been travelling from the West to the Far East.
 - b) had refused to undergo a port state control inspection.
 - c) had passed all safety and security controls.
 - d) had previously breached safety regulations.

3. Although the crew members were evacuated from the sinking vessel
 - a) all the containers were lost overboard.
 - b) several crew members were seriously injured.
 - c) some of the cargo fell into the sea.
 - d) it was impossible to isolate the ship.

4. It is understood that the cause of the fire was
 - a) arson
 - b) a cigarette
 - c) an electrical device
 - d) a technical failure

5. It is now possible to prepare for port state control inspections by
 - a) consulting a IACS checklist in advance.
 - b) discussing the inspection with IACS consultants in advance.
 - c) carrying out an IACS maintenance check in advance.
 - d) briefing the crew of IACS regulations in advance.

6. Losses sustained by damage to the hull
 - a) were equal to the worth of the container cargo.
 - b) were more than the worth of the container cargo.
 - c) were less than the worth of the container cargo.
 - d) were similar to the worth of the container cargo.

7. The boxship was insured by
 - a) one insurance company covering the vessel and cargo.
 - b) several insurance companies covering different aspects of the vessel.
 - c) two insurance companies covering the vessel and cargo respectively.
 - d) one insurance company covering different aspects of the vessel.

TEXT 2

Fuel Bacteria Results in Grounding

Narrative

When due for her annual overhaul, one of the Skye based inter-island ferries *Loch Striven* was to be replaced by another vessel from the Clyde. The two vessels met at Kyle of Lochalsh, where the crews changed over. Apart from the motorman who remained onboard, the delivery crew was now manning the southbound ferry. The voyage south was to be made in stages, dependent on weather conditions, with overnight stops as required. The chargehand in command was experienced and qualified, and had regularly undertaken delivery voyages in this area.

The first leg of the voyage passed without any problem and she spent the night in Oban. The forecast on the following day was for wind strength 4 to 6 increasing to force 7 in the evening. It was decided she could reach Campbeltown by nightfall and before the weather deteriorated. *Loch Striven* sailed from Oban at 0730 for the Clyde. By the time she cleared the shelter of the Kintyre peninsula the wind had increased to force 6. At 1755, the forward main engine stopped due to choked fuel filters. These were cleaned, the engine restarted, and the vessel resumed her voyage. As she rounded the Mull of Kintyre and turned north, the wind increased further. While lining up the leading lights for entry into Campbeltown Loch at 2110, the aft main engine stopped. Soon

afterwards she grounded on Macringan's Point under the influence of beam seas and the wind. Again the cause of the engine stoppage was found to be choked fuel filters. These were cleaned and the engine restarted. With both main engines now operating and the hull only slightly damaged, the vessel came off the ground and made her way safely into harbour under her own power where she tied up at 2140.

The subsequent investigation found that the fuel tank was contaminated with bacteria, which had formed black deposits on the internal tank structure. The deposits had broken away during the rough weather and had entered the fuel systems. These built up in the fuel filters and eventually led to fuel starvation. The frequency of choked filters had been recorded while in service and the question of fuel tank cleaning was to be investigated during the overhaul.

The owners later established that the "blocked fuel filter" problem, although known to the motorman, had not been identified on the handover notes. This potential problem was not therefore known to the chargehand in command. The choking of the fuel filters, although of the duplex type allowing for quick changeover, only became known when the main engine revolutions started to drop. On the approach to Campbeltown, both motormen were in the accommodation, and by the time they became aware that there was a problem, the engine had stopped.

The Lessons

- 1. If fuel filters become blocked, find out why!**
- 2. Make sure that whoever is in command is made aware of the problem, the estimated time it should take to fix, and whether it was an intermittent or regular feature.**
- 3. If fuel starvation is a possibility, someone should be closed up in the engine room while negotiating narrow or dangerous waters.**
- 4. When changing crews or personnel, the handover procedure MUST include any known defects, details of all known machinery problems, and an indication of difficulties likely to be experienced.**

Footnote

If bacterial contamination of fuel and fuel tanks is suspected, take samples and have them tested as soon as possible. Cleaning fuel storage tanks and using biocides will overcome the problem and prevent a recurrence. It is a good idea to eliminate all water from fuel tanks by regularly draining them to remove condensation and any water delivered with bunkers.

Choose the correct alternative:

8. When the *Loch Striven* was to begin its voyage, she was manned with
 - a) her normal crew.
 - b) only a part of her normal crew.
 - c) only by a motorman.
 - d) by a delivery crew.
9. During the first day of the voyage
 - a) the weather got worse.
 - b) the crew cleaned the fuel filters.
 - c) wind strength increased to force 7.
 - d) no problems were experienced.

10. When the aft main engine stopped, the crew was
- busy arranging their lights in line.
 - busy rigging deck lights.
 - changing the course of the vessel.
 - cleaning the choked fuel filters.
11. Why were the fuel filters blocked at this particular time?
- Bacteria reproduce rapidly in heavy seas.
 - The movement of the vessel shook loose the deposits.
 - They had not been properly cleaned during overhaul.
 - The movement of the vessel made the filters move.
12. Why did the master of the vessel not take action to avoid the engine problems?
- The owners had reported the problem to the wrong persons.
 - The owners had reported the problem too late.
 - The motorman had identified the problem too late.
 - The problem had not been reported to the master of the vessel.
13. The fuel filters on board the *Loch Striven* were
- easy to change.
 - very complex and difficult to change.
 - never changed.
 - dropped into the main engine.
14. When handing over a vessel to a new crew,
- all engine problems experienced must be reported.
 - problems that might happen again must be reported.
 - possible fuel filter blockage should be checked.
 - everything one can think of must be reported.
15. Fuel contaminated by bacteria can be avoided by
- draining the fuel tanks.
 - taking fuel samples as often as possible.
 - drying the fuel.
 - using chemicals regularly.

VOCABULARY

First read the following text:

The White Villages

Spring enhances the beautiful lush Mediterranean vegetation, which is dotted here and there with country houses and unusual villas that tell the story of the region's past.

The luxuriant green landscape offered by the Sierra de Cadiz stands in stark contrast with the arid Andalusian scenery dominated by olive groves. Here, wherever you look, nature is optimistic and welcoming: in the heart of this area, the Sierra de Grazalerna Natural Park has many caves and amazing canyons, and has been declared a Biosphere Reserve by UNESCO. Breathtaking forests

and unique botanical gardens make this area perfect for hiking, long walks or just soaking up a different pace of life.

The rolling mountains share their solitude with a scattering of charming white villages and the language of this landscape tells of local customs and the history of Al-Andalus. The Moorish legacy hangs in the air in almost all the 19 villages, characterised by their whitewashed houses: Benamahoma, which means the house of Mohammed, Alcalá (the castle), Algar (the cave) and Zahara (the fortress). But all along this verdant route, there are also vestiges of the Roman culture that passed through here, Christian invasions or traces of the American conquistadors. The smooth and untroubled transition between wide open spaces and small, peaceful and welcoming villages, marks the identity of this region and its charm.

The first stop on this route brings us to the steep narrow streets and red roofed buildings of Arcos de la Frontera, a village perched on a 96 metre high crag with a vantage point out over magnificent views. The traditional architecture, in particular the palatial houses and churches built on old Moorish fortresses and mosques, can also be found in other white villages, such as Bornos, which has a beautiful Renaissance garden adjoining the Fontanar Castle. In the outlying area, there are reservoirs and lakes where you can go fishing, windsurfing and swimming.

The unique charm of Setenil de las Bodegas can be seen in the dwellings found in caves that have been cut out by the river.

Source: Spanorama, March 2006

What do the following words and expressions mean?

16. enhances

- a. makes greener
- b. reduces
- c. adds to
- d. decreases

17. lush

- a. full of light
- b. flourishing
- c. bone-dry
- d. withering

18. luxuriant

- a. exclusive
- b. flourishing
- c. elegant
- d. luxurious

19. stark

- a. flourishing
- b. strong
- c. barren
- d. total

20. arid
- dry
 - humid
 - fruitful
 - fertile
21. soaking up a different pace of life
- sunbathing peacefully
 - experiencing the life
 - pacing in the countryside
 - adapting to the milieu
22. a scattering of charming villages
- there is an urbanization process beginning
 - the villages are randomly shattered in the countryside
 - the villages are evenly placed in the countryside
 - the villages are here and there in the countryside
23. legacy
- legal system
 - heritage
 - everyday life
 - testament
24. verdant route
- barren
 - narrow
 - infertile
 - green
25. vestiges
- leftovers
 - traces
 - castles
 - ruins
26. adjoining
- adjacent
 - far away
 - close
 - further
27. *outlying area* is an area
- next to
 - around
 - close
 - further away
28. dwellings
- structures
 - houses
 - kitchens
 - hotels

GRAMMAR

Choose the correct alternative.

29.

- a. I spoke with her on the phone and asked if the lunch is ready.
- b. I spoke with her on phone and asked if lunch is ready.
- c. I spoke with her on the phone and asked if lunch is ready.
- d. I spoke with her on phone and asked if the lunch is ready.

30.

- a. My friend and I visited at the West Indies.
- b. My friend and I visited at West Indies.
- c. My friend and I visited the West Indies.
- d. My friend and I visited West Indies.

31.

- a. What a beautiful place and such a wonderful climate!
- b. What a beautiful place and such wonderful climate!
- c. What beautiful place and such a wonderful climate!
- d. What beautiful place and such wonderful climate!

32.

- a. My friends mother didn't want us to go.
- b. The mother of my friend didn't want us to go.
- c. My friends' mother didn't want us to go.
- d. My friend's mother didn't want us to go.

33.

- a. She thought our monies could be stolen.
- b. She thought our money could be stolen.
- c. She taught our money could be stolen.
- d. She thought our money could be stolen.

34.

- a. Then one morning we noticed that our purses were gone – the evidence were collected by local police.
- b. Then one morning we noticed that our purses was gone – the evidence was collected by the local police.
- c. Then one morning we noticed that our purses were gone – the evidence was collected by the local police.
- d. Then one morning we noticed that our purses were gone – the evidence were collected by the local police.

35.

- a. We should teach our childs to love books at an early age.
- b. We should teach our childrens to love books at an early age.
- c. We should teach our children's to love books at an early age.
- d. We should teach our children to love books at an early age.

- 36.
- Unfortunately, childrens' books aren't much cheaper than adults'.
 - Unfortunately, children's books aren't much cheaper than adult's.
 - Unfortunately, children's books aren't much cheaper than adults'.
 - Unfortunately, childrens' books aren't much cheaper than adult's.
- 37.
- Even quite young boys and girls can enjoy themselves in the company of a good book.
 - Even quite young boys and girls can enjoys themselves in the company of a good book.
 - Even quite young boys and girls can enjoy himself in the company of a good book.
 - Even quite young boys and girls can enjoy themselves in the company of a good book.
- 38.
- That coat is not yours, its my new trench coat.
 - That coat is not yours, it's my new trench coat.
 - That coat is not your, it's my new trench coat.
 - That coat is not yours, it's mine new trench coat.
- 39.
- That news made the police search the building.
 - Those news made the police search the building.
 - Those news made police search the building.
 - That news made police search the building.
- 40.
- There's a new girl in our class, that is very pretty.
 - There's a new girl in our class, whose very pretty.
 - There's a new girl in our class, which is very pretty.
 - There's a new girl in our class, and she is very pretty.
41. Kumpikaan meistä / ingendera av oss
- Either of us wanted to help him.
 - Neither of us wanted to help him.
 - None of us wanted to help him.
 - Nobody of us wanted to help him.
- 42.
- We had good luck: a few of us won a little money in the lottery.
 - We had good luck: few of us won a little money in the lottery.
 - We had good luck: a few of us won little money in the lottery.
 - We had good luck: few of us won little money in the lottery.
- 43.
- Our dog love to play. Its favourite game is hide-and-seeK.
 - Our dog love to play. It's favourite game is hide-and-seeK.
 - Our dog loves to play. It's favourite game is hide-and-seeK.
 - Our dog loves to play. Its favourite game is hide-and-seeK.

- 44.
- It rains a lot in Britain but it hardly never snows.
 - It rains a lot in Britain but it hardly ever snows.
 - It rains a lot in Britain but it almost ever snows.
 - It rains a lot in Britain but it quite never snows.
- 45.
- My dad often says that I always drive too fast.
 - My dad says often that I always drive too fast.
 - My dad says often that I drive always too fast.
 - My dad often says that I drive always too fast.
- 46.
- She wouldn't understand if I would speak French to her.
 - She wouldn't have understood if I spoke French to her.
 - She wouldn't understand if I spoke French to her.
 - She wouldn't have understood if I would have spoken French to her.
- 47.
- If they had caught him, he would have been sent to prison.
 - If they would have caught him, he would have been sent to prison.
 - If they caught him, he would have been sent to prison.
 - If they had been caught, he would send to prison.
- 48.
- If you lent me the money, I will pay you back next week.
 - If you lend me the money, I will pay you back next week.
 - If you lent me the money, I pay you back next week.
 - If you lend me the money, I paid you back next week.
- 49.
- May anything happen, you can always count on me.
 - Should anything happen, you can always count on me.
 - If anything happen, you can always count on me.
 - Must anything happen, you can always count on me.
50. Which is the "strongest"?
- You are not allowed to smoke in here!
 - You cannot smoke in here!
 - You mustn't smoke in here!
 - You may not smoke in here!
- 51.
- I quitted my job last year.
 - I quit my job last year.
 - I have quitted my job last year.
 - I have quit my job last year.
- 52.
- Have you been waited for long?
 - Have you been waiting for long?
 - Have you waiting for long?
 - Have you wait for long?

- 53.
- She was reading a book when it suddenly started to rain.
 - She read a book when it suddenly started to rain.
 - She had been reading a book when it suddenly started to rain.
 - She was reading a book when it suddenly had started to rain.
- 54.
- The Olympic Games in Torino were watching by millions of people.
 - The Olympic Games in Torino were been watching by millions of people.
 - The Olympic Games in Torino has been watched by millions of people.
 - The Olympic Games in Torino were watched by millions of people.
- 55.
- Do you know has the President Tarja Halonen ever visited Turku?
 - Do you know if President Urho Kekkonen has ever visited Turku?
 - Do you know if President Kekkonen ever visited Turku?
 - Do you know whether President Halonen ever visited in Turku?
- 56.
- Now I need some good advice. Your advice is always good.
 - I need some pieces of good advice now. Your advices are always good.
 - Now I need some good advices. Your pieces of advice always are good.
 - Now I need a little good advice. Yours are always good.
- 57.
- The police do not know where the money is but they will continue their investigations.
 - Police do not know where the money is but it will continue its investigations.
 - The cops do not know where the moneys are but they will continue investigation.
 - The police do not know where the money is but it will continue investigations.
- 58.
- A bed is a fine furniture.
 - Bed is fine furniture.
 - The bed is a fine piece of furniture.
 - A bed is a piece of fine furniture.
- 59.
- Bed is the most important piece of furniture in a man's life.
 - The bed is the most important piece of furniture in man's life.
 - A bed is the most important piece of furniture of man's life.
 - The bed is a piece of the most important furniture in a man's life.
- 60.
- There's plenty of fish in the sea and they all are ready to bite.
 - There are plenty of fishes at the sea and they are all ready to bite.
 - There's much fish at sea and it is all ready for biting.
 - In sea are many fishes and they are all readily biting.

- 61.
- George has been, and obviously could again become, the chairman.
 - George has been the chairman, and obviously could again come.
 - George has been the chairman, and obviously could again.
 - George has been the chairman, and obviously could again become so.
- 62.
- George was angry, and Bob certainly seemed so.
 - George was angry, and Bob certainly seemed.
 - George was angry, and Bob certainly seemed it.
 - George was it, and Bob certainly seemed angry.
- 63.
- Shall we go to the pub? I'm also meeting my wife there later this evening.
 - Should we go to a pub? I'm meeting my wife there later this evening also.
 - Why don't we go to the pub? I'll meet there my wife too later in the evening.
 - Let's go to pub! Later tonight I will meet there also my wife.
- 64.
- We'll discuss the matter when he comes. - I don't know when he will come.
 - We'll discuss the matter when he will come. - I don't know when he will come.
 - We'll discuss the matter when he is coming. - I don't know when he will.
 - We'll discuss the matter when he comes. - I don't know when he does.
- 65.
- The people, who read carefully the papers daily, know what goes on in the world.
 - People, who carefully read newspapers every day, know what is going on in the world.
 - People that read carefully the newspapers every day, know what goes on in the world.
 - People who carefully read the papers daily know what is going on in the world.
- 66.
- They turned on slowly the gas.
 - They turned the gas on slowly.
 - They turned slowly on it.
 - They turned slowly the gas on.
- 67.
- You could have been taking the words from the mouth as I were kissing you.
 - You might have been taken the words out my mouth when you were kissing me.
 - You had to have taken the words off the mouth while we was kissing one another.
 - You must have taken the words right out of my mouth while we were kissing.
- 68.
- Every year, I spent there a couple of days of my childhood as well.
 - I also spent there a couple of days every year in my childhood.
 - I, too, was there a few days in a year in my childhood.
 - In my childhood, I was there for a day or two every year, too.

69.

- a. You would be much surprised at what old consider swearing.
- b. You would be greatly surprised that the old's conception of swearing is different from ours.
- c. You would be very much surprised what old persons consider swearing.
- d. You would be utterly surprised with what an old might consider swearing.

70.

- a. The area enclosed was not desired to expand some further.
- b. The enclosed area was not desire to be expanded any further.
- c. The enclosed area was not desired to be expanded some more.
- d. There was no desire to expand the enclosed area any further.

71.

- a. It has just been told to us by the teachers that no difficulty will meet the students easiest to teach.
- b. The teachers have just assured to us, that easiest students to teach will meet no difficulties.
- c. The teachers just told us that the enough brave students to attempt the test will not be met by no difficulties.
- d. We have just been assured by the teachers that students brave enough to attempt the test will meet with no difficulty.

72.

- a. A number of us has succeeded and you also will get far with that attitude and earn a lot of money as well.
- b. A number of us have succeeded and you as well will get a long way with that attitude and earn much money, too.
- c. None of them has succeeded, and you, too, will not get far with that attitude, nor earn much money either.
- d. None of them have succeeded and also you will not get a long way with that attitude, nor will you earn a lot of money neither.

73.

- a. And if Congress is going to ban something, I suggest they ban the gun. Do you know why it won't? Because half Congress has it!
- b. And if Government is going to ban something, why don't they ban the guns? Do you know why they can't? Because half of the both Houses have one!
- c. And if President is going to ban anything, why shouldn't he ban guns. Do you know why he wouldn't? Because half of congressmen has them!
- d. And if the President is going to ban anything, I suggest he ban guns. Do you know why he doesn't? Because half the Congress has them!

74.

- a. The night being over, before the final crack of dawn, like a bat out of Hell, I will be gone when the morning comes.
- b. When night is over, before final crack of dawn, like a bat from Hell I, will be gone before morning comes.
- c. When night is over, before the final crack of dawn, like a bat from the Hell, I am gone when the morning will comes.
- d. When the night is over, before the final crack of the dawn, like a bat out of the Hell I am gone in morning.

75.

- a. 'The band really enjoyed themselves every minute of their show on stage at the Tavastia', Ken Hensley, the leader and lead-singer of the group, told a Helsingin Sanomat reporter.
- b. "The band really was enjoying itself every minute of its show on the stage at Tavastia," the leader and lead-singer of the group, Ken Hensley, told a reporter of Helsingin Sanomat.
- c. 'The band were really enjoying themselves every minute of their show on the stage at the Tavastia club,' said Ken Hensley, leader and lead-singer of the group, to a reporter of the Helsingin Sanomat.
- d. 'The band was really enjoying themselves every minute of its show on the stage at Tavastia club', said leader and lead-singer, Ken Hensley, to the reporter of Helsingin Sanomat.

Which of the following sentences in NOT grammatically correct (i.e. three of them are okay, one is not)?

76.

- a. Somebody gave it to me that I didn't know.
- b. Somebody whom I did not know gave me it.
- c. It was given to me by somebody whom I did not know.
- d. It was given me by somebody whom I did not know.

77.

- a. Should I have money left, I shall buy a house.
- b. Should I have money, I would buy a house.
- c. Had I any money left, I would buy a house.
- d. Had I had any money left, I would have bought a house.

78.

- a. If you will give me her address, I will be grateful.
- b. Had you given me his address, I would have been grateful.
- c. Should you give me her address, I would be grateful.
- d. Should you give me her address, I will be grateful.

79.

- a. I don't want to break up the party.
- b. I don't want to break the party up.
- c. I don't want to break it up.
- d. I don't want to break up it.

80.

- a. A new coalition government is likely to be formed.
- b. It is probable that a new coalition government will be formed.
- c. The forming of a new coalition government is likely.
- d. A new coalition government being formed is probable.